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# Bohlin et al.

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# (54) CRISTALLINE AND AMORPHOUS FORM OF A TRIAZOLO (4,5-D) PYRIDIMINE COMPOUND

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# (30) Foreign Application Priority Data

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(52) **U.S. Cl.** ...... **514/261.1**; 544/254

(58) **Field of Classification Search** ....... None See application file for complete search history.

#### (56) References Cited

# U.S. PATENT DOCUMENTS

6,525,060	B1	2/2003	Hardern et al	514/261.1
6,713,483	B1	3/2004	Guile et al	514/261.1
2003/0148888	A1	8/2003	Larsson et al	544/254
2006/0025590	A1*	2/2006	Hardern et al	514/261.1

#### FOREIGN PATENT DOCUMENTS

WO	9905143	2/1999
WO	0034283	6/2000

\* cited by examiner

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## (57) ABSTRACT

The invention provides new forms of a chemical compound of formula (I). The invention relates to forms of a chemical compound (I), in particular to crystalline and amorphous forms, more particularly four crystalline forms and an amorphous form. The invention further relates to processes for the preparation of such forms, to pharmaceutical compositions comprising the compound in crystalline and/or amorphous form and to therapeutic use of such forms.

#### 31 Claims, 6 Drawing Sheets